

CLAIMS

1. An electromagnetic shielding sheet comprising:
 - a transparent base;
 - a mesh metal layer having openings and formed on one of the surfaces of the base;
 - a blackened layer formed on one of the surfaces of the metal layer; and
 - a density-intensifying layer formed on the blackened layer.
2. The electromagnetic shielding sheet according to claim 1, wherein
 - the blackened layer is formed of Cu-Co alloy particles adhering to the metal layer.
3. The electromagnetic shielding sheet according to claim 2, wherein
 - the Cu-Co alloy particles have a mean particle size in the range of 0.1 to 1 μm .
4. The electromagnetic shielding sheet according to claim 2, wherein
 - the Cu-Co alloy particles are formed by a cathodic electrodeposition process.
5. The electromagnetic shielding sheet according to claim 1, wherein
 - the density-intensifying layer is a chromated layer formed by a chromate treatment.
6. The electromagnetic shielding sheet according to claim 1, wherein
 - the openings in the mesh metal layer are filled up with a transparent resin such that the surface of the transparent resin filling up the openings is flush with the surface of the metal layer.
7. The electromagnetic shielding sheet according to claim 6, wherein
 - the transparent resin filling up the openings in the mesh metal layer contains a color tone correcting light-absorbing agent capable of absorbing visible light having wavelengths between 570 nm and 605 nm and/or a near-infrared absorbing agent capable of absorbing infrared radiation having wavelengths between 800 nm

and 1100 nm.

8. The electromagnetic shielding sheet according to claim 1 further comprising:

a layer containing a color tone correcting light-absorbing agent capable of absorbing visible light having wavelengths between 570 nm and 605 nm and/or a near-infrared absorbing agent capable of absorbing infrared radiation having wavelengths between 800 nm and 1100 nm formed on the surface of either the base or the density-intensifying layer.

9. An electromagnetic shielding sheet fabricating method comprising the steps of:

attaching Cu-Co alloy particles to one of the surfaces of a metal foil for forming a metal layer;

subjecting the surface of the metal foil coated with the Cu-Co alloy particles to a chromate treatment to form a laminated structure having a density-intensifying layer;

adhesively bonding a transparent base with an adhesive to the surface provided with the density-intensifying layer of the laminated structure;

forming a resist film having a mesh pattern on the surface of the laminated structure opposite the surface facing the base;

removing parts of the laminated structure not coated with the resist film by etching; and

removing the resist film.

10. The electromagnetic shielding sheet fabricating method according to claim 9, wherein

the Cu-Co alloy particles are deposited by a cathodic electrodeposition process.